

DEPARTMENT OF TRANSPORTATION

OFFICE OF THE SECRETARY

Federal Funds

General and special funds:

SALARIES AND EXPENSES*

*See Part III for additional information.

For necessary expenses of the Office of the Secretary of Transportation, including not to exceed \$27,000 for allocation within the Department for official reception and representation expenses as the Secretary may determine, \$32,550,000: *Provided*, That not to exceed \$1,000,000 of the funds provided under this Act shall be available to enable the Office of the Secretary to lease and maintain automobile parking facilities in the Nassif Building for employees of the Department. \$35,350,000.

For "Salaries and expenses" for the period July 1, 1976, through September 30, 1976, including not to exceed \$8,750 for allocation within the Department for official reception and representation expenses as the Secretary may determine, \$8,930,000: *Provided*, That not to exceed \$250,000 of the funds provided under this Act shall be available to enable the Office of the Secretary to lease and maintain automobile parking facilities in the Nassif Building for employees of the Department. (49 U.S.C. 1637, 1674; Department of Transportation and Related Agencies Appropriation Act, 1976, and the period ending September 30, 1976; additional authorizing legislation has been proposed for \$2,987,000.)

Program and Financing (in thousands of dollars)

Identification code 21-05-0102-0-1-407	1975 act.	1976 est.	TQ est.	1977 est.
Program by activities:				
Direct program:				
1. General administration	25,703	31,780	8,175	32,363
2. Materials transportation	1,728	2,730	755	2,987
3. Regional rail reorganization	3,806	4,228	1,000	
4. Consolidation of departmental headquarters	112	146		
Total direct program costs, funded	31,349	38,884	9,930	35,350
Change in selected resources (undelivered orders)	3,910	-4,133	-1,000	
Total direct obligations	35,259	34,751	8,930	35,350
Reimbursable program (costs—obligations)	2,275	2,000	458	1,800
10 Total obligations	37,534	36,751	9,388	37,150
Financing:				
11 Receipts and reimbursements from: Federal funds	-2,275	-2,000	-458	-1,800
21 Unobligated balance available, start of period	-7,031	-1,601		
24 Unobligated balance available, end of period	1,601			
25 Unobligated balance lapsing	486			
Budget authority	30,315	33,150	8,930	35,350
Budget authority:				
40 Appropriation	31,400	32,550	8,930	35,350
Reduction pursuant to Public Law 93-391	-1,085			
44.20 Supplemental now requested for civilian pay raises		600		
Relation of obligations to outlays:				
71 Obligations incurred, net	35,259	34,751	8,930	35,350
72 Obligated balance, start of period	5,344	1,114	1,985	2,475
74 Obligated balance, end of period	-1,114	-1,985	-2,475	-4,305
77 Adjustments in expired accounts	590			
90 Outlays, excluding pay raise supplemental	40,079	33,320	8,400	33,520
91.20 Outlays from civilian pay raise supplemental		560	40	
Distribution of outlays by account:				
Salaries and expenses	39,735	33,733	8,440	33,520
Consolidation of departmental headquarters	344	147		

1. *General administration.*—This activity includes the policy development, central supervisory, and coordinating functions necessary for the overall planning and direction of the Department. It covers the immediate secretarial

offices as well as those of the assistant secretaries and the general counsel. Also covered are staff assistance and supervision of general management and administration in the Department.

2. *Materials transportation.*—This activity finances the Materials Transportation Bureau, which issues safety standards for hazardous materials and pipeline transportation and enforces safety regulations related to intermodal hazardous materials and pipeline operations. Various departmental administrations are responsible for enforcing hazardous materials regulations pertaining to their specific areas.

Object Classification (in thousands of dollars)

Identification code 21-05-0102-0-1-407	1975 act.	1976 est.	TQ est.	1977 est.
OFFICE OF THE SECRETARY				
Direct obligations:				
Personnel compensation:				
11.1 Permanent positions	18,541	20,953	5,485	21,661
11.3 Positions other than permanent	475	632	165	632
11.5 Other personnel compensation	239	194	48	194
Total personnel compensation	19,255	21,779	5,698	22,487
12.1 Personnel benefits: Civilian	1,697	1,829	476	1,882
21.0 Travel and transportation of persons	817	982	250	982
22.0 Transportation of things	69	63	20	63
23.0 Rent, communications, and utilities	3,080	3,741	1,166	4,321
24.0 Printing and reproduction	909	1,095	300	1,407
25.0 Other services	3,468	3,510	900	3,686
26.0 Supplies and materials	291	240	75	322
31.0 Equipment	311	200	45	200
Total direct obligations	29,897	33,439	8,930	35,350
Reimbursable obligations:				
Personnel compensation:				
11.1 Permanent positions	1,347	902	223	900
11.5 Other personnel compensation	5			
Total personnel compensation	1,352	902	223	900
12.1 Personnel benefits: Civilian	114	81	20	80
21.0 Travel and transportation of persons	3	12	4	13
23.0 Rent, communications, and utilities	505	639	110	388
24.0 Printing and reproduction		6	2	7
25.0 Other services	299	357	98	409
26.0 Supplies and materials		3	1	3
31.0 Equipment	2			
Total reimbursable obligations	2,275	2,000	458	1,800
Total obligations, Office of the Secretary	32,172	35,439	9,388	37,150
ALLOCATION TO FEDERAL RAILROAD ADMINISTRATION				
Personnel compensation:				
11.1 Permanent positions	193			
11.3 Positions other than permanent	30			
11.5 Other personnel compensation	1			
Total personnel compensation	224			
12.1 Personnel benefits: Civilian	43			
21.0 Travel and transportation of persons	27			
22.0 Transportation of things	13			
25.0 Other services	5,000	1,312		
26.0 Supplies and materials	3			
31.0 Equipment	52			
Total allocation to Federal Railroad Administration	5,362	1,312		
99.0 Total obligations	37,534	36,751	9,388	37,150
Personnel Summary				
OFFICE OF THE SECRETARY				
Direct:				
Total number of permanent positions	924	945		941
Full-time equivalent of other positions	52	72		72
Average paid employment	886	954		958
Average GS grade	11.47	11.72		11.72
Average GS salary	\$22,427	\$23,989		\$24,369
Average salary of ungraded positions	\$11,263	\$11,826		\$11,826
Reimbursable:				
Total number of permanent positions	64	50		48
Average paid employment	73	48		46
Average GS grade	9.92	10.84		10.90
Average GS salary	\$16,633	\$19,418		\$19,795

SALARIES AND EXPENSES—Continued

General and special funds—Continued

Personnel Summary—Continued

	1975 act.	1976 est.	TQ est.	1977 est.
ALLOCATION TO FEDERAL RAILROAD ADMINISTRATION				
Total number of permanent positions.....	21			
Full-time equivalent of other positions.....	1			
Average paid employment.....	10			
Average GS grade.....	10.95			
Average GS salary.....	\$19,865			

TRANSPORTATION PLANNING, RESEARCH, AND DEVELOPMENT

For necessary expenses for conducting transportation planning, research, and development activities, including the collection of national transportation statistics, to remain available until expended, **[\$28,000,000] \$29,800,000.**

For "Transportation planning, research, and development" for the period July 1, 1976, through September 30, 1976, to remain available until expended, **\$7,000,000.** (49 U.S.C. 1653, 1657; Department of Transportation and Related Agencies Appropriation Act, 1976, and the period ending September 30, 1976.)

Program and Financing (in thousands of dollars)

Identification code 21-05-0142-0-1-407	1975 act.	1976 est.	TQ est.	1977 est.
Program by activities:				
Direct program:				
1. Transportation policy and planning.....	8,232	15,199	2,580	11,800
2. University research.....	6,000	3,500	875	3,500
3. Transportation systems development and technology.....	12,611	15,828	3,005	12,400
4. Special programs.....	1,940	3,831	540	2,100
Total direct program.....	28,783	38,358	7,000	29,800
Reimbursable program.....	1,597	2,000	500	2,000
Total program costs, funded.....	30,380	40,358	7,500	31,800
Change in selected resources (undelivered orders).....	2,943	-5,000		
10 Total obligations.....	33,323	35,358	7,500	31,800
Financing:				
11 Receipts and reimbursements from: Federal funds.....	-2,228	-2,000	-500	-2,000
21 Unobligated balance available, start of period.....	-3,034	-5,358		
24 Unobligated balance available, end of period.....	5,358			
Budget authority.....	33,420	28,000	7,000	29,800
Budget authority:				
40 Appropriation.....	34,400	28,000	7,000	29,800
Reduction pursuant to Public Law 93-391.....	-980			
Relation of obligations to outlays:				
71 Obligations incurred, net.....	31,095	33,358	7,000	29,800
72 Obligated balance, start of period.....	17,249	14,081	13,639	12,139
74 Obligated balance, end of period.....	-14,081	-13,639	-12,139	-12,939
90 Outlays.....	34,264	33,800	8,500	29,000

The Department of Transportation Act of 1966 assigns to the Secretary broad responsibilities for the development and coordination of national transportation policies and programs. This appropriation finances those research activities and studies which directly support the Secretary's responsibilities and which can more effectively or appropriately be conducted in the Office of the Secretary than by the operating administrations within the Department. The program is carried out primarily through contracts with other Federal agencies, educational institutions, nonprofit research organizations, and private firms.

1. *Transportation policy and planning.*—Transportation problems and issues are assessed and policies developed on the basis of empirical and systematic research. This research provides the foundation for development of transportation policy, for coordination of national level transportation planning, and for dealing with such dif-

ficult issues as regulatory modernization, energy conservation, allocation of Federal resources in the transportation sector, and treatment of financially ailing transportation industries.

2. *University research.*—This research is designed to assure that resources of the higher education community are effectively brought to bear on transportation problems. Another aim is to encourage greater involvement of universities and colleges with the Department, State, and local governments, and the transportation industry.

3. *Transportation systems development and technology.*—In general, projects are designed to complement research and development programs of the operating administrations and to stimulate industry efforts to advance transportation technology. In 1977, research and development activities will emphasize ways to conserve energy used in transportation, to develop multimodal and intermodal systems and technology, and to promote environmental and ecological improvements.

4. *Special programs.*—Projects provide technical studies and other data in support of departmental effort in the areas of safety program coordination, hazardous materials and pipeline safety, transportation security, consumer and environmental affairs, and facilitation of passenger and freight transportation. Emphasis in 1977 will be on the development of greater information for larger environmental impact assessment capability and simplification of cargo documentation.

Object Classification (in thousands of dollars)

Identification code 21-05-0142-0-1-407	1975 act.	1976 est.	TQ est.	1977 est.
Direct obligations:				
Personnel compensation:				
11.1 Permanent positions.....	1,684	1,997	518	1,935
11.3 Positions other than permanent.....	406	353	97	344
11.5 Other personnel compensation.....	15	17	5	17
Total personnel compensation.....	2,105	2,367	620	2,296
12.1 Personnel benefits: Civilian.....	168	165	42	159
21.0 Travel and transportation of persons.....	240	225	82	222
22.0 Transportation of things.....	2			
23.0 Rent, communications, and utilities.....	484	264	69	275
24.0 Printing and reproduction.....	101	305	28	311
25.0 Other services.....	27,888	30,001	6,151	26,506
26.0 Supplies and materials.....	103	22	5	22
31.0 Equipment.....	4	9	3	9
Total direct obligations.....	31,095	33,358	7,000	29,800
Reimbursable obligations:				
25.0 Other services.....	2,228	2,000	500	2,000
99.0 Total obligations.....	33,323	35,358	7,500	31,800

Personnel Summary

Total number of permanent positions.....	81	81		74
Full-time equivalent of other positions.....	28	17		17
Average paid employment.....	100	94		87
Average GS grade.....	12.36	12.48		12.72
Average GS salary.....	\$24,551	\$26,262		\$27,857

GRANTS-IN-AID FOR NATURAL GAS PIPELINE SAFETY

For grants-in-aid to carry out a pipeline safety program, as authorized by section 5 of the Natural Gas Pipeline Safety Act of 1968 (49 U.S.C. 1674), **[\$1,650,000] \$2,500,000**, to remain available until expended. (49 U.S.C. 1684; Department of Transportation and Related Agencies Appropriation Act, 1976, and the period ending September 30, 1976; additional authorizing legislation has been proposed.)

Program and Financing (in thousands of dollars)

Identification code 21-05-0104-0-1-407	1975 act.	1976 est.	TQ est.	1977 est.
Program by activities:				
Grants (program costs, funded).....	1,381	1,935		2,500
Change in selected resources (undelivered orders).....	-293			
10 Total obligations (object class 41.0).....	1,088	1,935		2,500

Financing:				
17	Recovery of prior period obligations.....	-215		
21	Unobligated balance available, start of period.....		-285	
24	Unobligated balance available, end of period.....	285		
	Budget authority.....	1,158	1,650	2,500
Budget authority:				
40	Appropriation.....	1,200	1,650	2,500
	Reduction pursuant to Public Law 93-391.....	-42		
Relation of obligations to outlays:				
71	Obligations incurred, net.....	873	1,935	2,500
72	Obligated balance, start of period.....	1,451	1,157	1,342
74	Obligated balance, end of period.....	-1,157	-1,342	-742
90	Outlays.....	1,167	1,750	600

This appropriation provides for grants of up to 50% of the cost of activities of a State agency to carry out a natural gas pipeline safety program under the Natural Gas Pipeline Safety Act of 1968 which also established minimum safety standards. In 1977, the budget allows for additional States and the expansion of activities of States currently participating in the pipeline safety program.

TRANSPORTATION RESEARCH ACTIVITIES OVERSEAS (SPECIAL FOREIGN CURRENCY PROGRAM)

For payments in foreign currencies which the Treasury Department determines to be excess to the normal requirements of the United States, for necessary expenses for conducting transportation research activities overseas, as authorized by law, **[\$250,000]** \$100,000, to remain available until expended: *Provided*, That this appropriation shall be available, in addition to other appropriations to the Department, for payments in the foregoing currencies. (49 U.S.C. 1653, 1657; Department of Transportation and Related Agencies Appropriation Act, 1976, and the period ending September 30, 1976.)

Program and Financing (in thousands of dollars)

Identification code 21-05-0105-0-1-407	1975 act.	1976 est.	TQ est.	1977 est.
Program by activities:				
Overseas research (program costs, funded).....	217	321	42	100
Change in selected resources (undelivered orders).....	9		-42	
10 Total obligations (object class 25.0).....	226	321		100
Financing:				
21 Unobligated balance available, start of period.....	-297	-71		
24 Unobligated balance available, end of period.....	71			
40 Budget authority (appropriation).....		250		100
Relation of obligations to outlays:				
71 Obligations incurred, net.....	226	321		100
72 Obligated balance, start of period.....	133	141	162	
74 Obligated balance, end of period.....	-141	-162		-50
90 Outlays.....	218	300	162	50

Foreign currencies which are in excess of the normal requirements of the United States will be used in 1977 to continue to support research projects in Poland. This program provides for cooperative research projects in such areas as pedestrian behavior, railroad operation, and highway paving.

Intragovernmental funds:

WORKING CAPITAL FUND

Program and Financing (in thousands of dollars)

Identification code 21-05-4520-0-4-407	1975 act.	1976 est.	TQ est.	1977 est.
Program by activities:				
Operating costs, funded:				
1. Publishing and graphics activities:				
(a) Direct operating costs.....	10,848	11,572	3,098	12,316
(b) Overhead costs.....	387	328	84	347
2. Support services activities:				
(a) Direct operating costs.....	2,304	3,728	925	3,767
(b) Overhead costs.....	111	106	26	107

3. Library services:				
(a) Direct operating costs.....	1,411	1,594	417	1,673
(b) Overhead costs.....	50	46	12	49
4. Transportation computer activities:				
(a) Direct operating costs.....	11,977	13,634	3,487	14,351
(b) Overhead costs.....	36	53	14	56
Total operating costs.....	27,124	31,061	8,063	32,666
Capital outlay, funded:				
1. Publishing and graphics activities: Purchase of equipment.....	26	47	10	15
2. Support services activities: Purchase of equipment.....	10	28	5	14
3. Library services: Purchase of equipment.....	6	27		17
4. Transportation computer activities: Purchase of equipment.....	11	60	10	60
Total capital outlay.....	53	162	25	106
Total program costs, funded.....	27,177	31,223	8,088	32,772
Change in selected resources (stores, work-in-process less accrued leave).....	78	70	26	80
10 Total obligations.....	27,255	31,293	8,114	32,852

Financing:				
11 Receipts and reimbursements from: Federal funds:				
Publishing and graphics activities.....	-11,280	-11,962	-3,197	-12,737
Support service activities.....	-2,421	-3,850	-955	-3,891
Library services.....	-1,474	-1,655	-432	-1,739
Transportation computer activities.....	-12,380	-14,055	-3,652	-14,776
Unfilled customers' orders.....	23	49	131	321
21 Unobligated balance available, start of period.....	-257	-534	-714	-705
24 Unobligated balance available, end period.....	534	714	705	675
Budget authority.....				

Relation of obligations to outlays:				
71 Obligations incurred, net.....	-277	-180	9	30
72 Obligated balance, start of period.....		141	393	402
74 Obligated balance, end of period.....	-1,763	-393	-402	-432
90 Outlays.....	-2,181	-432		

The Working capital fund finances common administrative services which are centrally performed in the interest of economy and efficiency.

Services are charged for at rates which return in full all operating expenses, including a normal reserve for accrued annual leave and depreciation of equipment. The fund is reimbursed in advance by the operating administrations and offices being served.

The activities of the Working capital fund have been consolidated as follows:

Publishing and graphics activities include publishing, graphic, still photographic, and visuals services.

Support services activities include travel services and imprest fund; central employment information; warehouse management; parking management; chauffeur services; mail and messenger service; management information center; and facilities management.

Library services include information retrieval services.

Transportation computer activities include computer time-sharing services; and the Transportation Computer Center.

Revenue and Expense (in thousands of dollars)

	1975 act.	1976 est.	TQ est.	1977 est.
Publishing and graphics activities:				
Revenue.....	11,280	11,962	3,197	12,737
Expense.....	-11,280	-11,962	-3,197	-12,737
Net operating income.....				
Support services activities:				
Revenue.....	2,421	3,850	955	3,891
Expense.....	-2,421	-3,850	-955	-3,891
Net operating income.....				
Library services:				
Revenue.....	1,474	1,655	432	1,739
Expense.....	-1,474	-1,655	-432	-1,739
Net operating income.....				

Intragovernmental funds—Continued

WORKING CAPITAL FUND—Continued

Revenue and Expense (in thousands of dollars)—Continued

	1975 act.	1976 est.	TQ est.	1977 est.
Transportation computer activities:				
Revenue.....	12,380	14,055	3,652	14,776
Expense.....	-12,380	-14,055	-3,652	-14,776
Net operating income.....				
Net income or loss (-) for the period.....				

Financial Condition (in thousands of dollars)

	1974 act.	1975 act.	1976 est.	TQ est.	1977 est.
Assets:					
Fund balance with treasury.....	-1,506	675	864	865	875
Accounts receivable (net).....	2,723	3,226	3,600	3,600	3,600
Inventories.....	33	31	42	42	45
Real property and equipment (net).....	526	1,419	1,487	1,494	1,510
Other assets (net).....	2,502	2,597	2,655	2,663	2,700
Total assets.....	4,277	7,948	8,648	8,664	8,730
Liabilities:					
Accounts payable and funded accrued liabilities.....	522	1,927	2,050	2,060	2,100
Advances received.....	437	1,439	1,700	1,700	1,700
Unfunded liabilities.....	293	311	337	341	355
Total liabilities.....	1,253	3,677	4,087	4,101	4,155
Government equity:					
Unexpended budget authority:					
Unobligated balance.....	257	534	714	705	675
Undelivered orders.....	3,957	4,814	5,000	1,250	5,000
Unfinanced budget authority: Unfilled customer orders.....	-3,957	-4,814	-5,000	-1,250	-5,000
Invested capital.....	2,768	3,737	3,847	3,858	3,900
Total Government equity.....	3,024	4,271	4,561	4,563	4,575
Analysis of changes in Government equity:					
Paid-in capital:					
Opening balance.....		3,024	4,271	4,561	4,563
Transaction: Increase in inventory and property valuation.....		1,247	290	2	12
Total Government equity (end of period).....		4,271	4,561	4,563	4,575

Object Classification (in thousands of dollars)

Identification code 21-05-4520-0-4-407	1975 act.	1976 est.	TQ est.	1977 est.
Personnel compensation:				
11.1 Permanent positions.....	4,337	4,853	1,217	4,989
11.3 Positions other than permanent.....	156	137	27	140
11.5 Other personnel compensation.....	365	428	116	447
Total personnel compensation.....	4,858	5,418	1,360	5,576
12.1 Personnel benefits: Civilian.....	418	468	119	482
21.0 Travel and transportation of persons.....	55	71	18	75
22.0 Transportation of things.....	1	5	5	5
23.0 Rent, communications, and utilities.....	4,351	4,495	1,210	4,749
24.0 Printing and reproduction.....	69	153	42	171
25.0 Other services.....	15,891	18,796	4,881	19,851
26.0 Supplies and materials.....	1,443	1,486	389	1,582
31.0 Equipment.....	91	331	69	281
Total costs, funded.....	27,177	31,223	8,088	32,772
94.0 Change in selected resources.....	78	70	26	80
99.0 Total obligations.....	27,255	31,293	8,114	32,852

Personnel Summary

Total number of permanent positions.....	365	393	.....	391
Full-time equivalent of other positions.....	25	21	.....	21
Average paid employment.....	374	396	.....	396
Average GS grade.....	6.71	7.10	.....	7.11
Average GS salary.....	\$11,827	\$12,366	.....	\$12,833
Average salary of ungraded positions.....	\$12,951	\$13,580	.....	\$14,218

CONSOLIDATED WORKING FUND, TRANSPORTATION SYSTEMS CENTER

Program and Financing (in thousands of dollars)

Identification code 21-05-3900-0-4-407	1975 act.	1976 est.	TQ est.	1977 est.
Program by activities:				
Transportation research (program costs, funded).....	40,556	49,087	8,977	45,845
Change in selected resources (undelivered orders).....	7,699	2,356	2,975	6,240
10 Total obligations.....	48,255	51,443	11,952	52,085

Financing:				
Receipts and reimbursements from:				
11 Federal funds.....	-38,668	-42,218	-10,332	-41,635
13 Trust funds.....	-9,395	-10,782	-1,620	-8,450
21 Unobligated balance available, start of period.....	-5,635	-5,443	-7,000	-7,000
24 Unobligated balance available, end of period.....	5,443	7,000	7,000	5,000
Budget authority.....				
Relation of obligations to outlays:				
71 Obligations incurred, net.....	192	-1,557	.....	2,000
72 Obligated balance, start of period.....	15,933	24,344	27,500	29,213
74 Obligated balance, end of period.....	-24,344	-27,500	-29,213	-36,383
90 Outlays.....	-8,218	-4,713	-1,713	-5,170

The fund was established to facilitate the operations of the Transportation Systems Center in Cambridge, Mass. The Center is funded from advances received from the Office of the Secretary and the operating administrations in the Department.

The Transportation Systems Center serves as a research, analysis, and technical development resource for the Office of the Secretary and the operating administrations. Its planned projects for 1977 are grouped into the following DOT R. & D. objectives:

Modernize regulation and legislation.—TSC activity is concentrating on the analysis of Federal regulation of the motor carrier and air carrier industries to search for better methods of considering service quality and market density when estimating costs in relation to routes and route structure.

Increase efficiency and service.—This area involves air, rail, and urban systems. TSC is especially involved in analysis of automation, performance improvement techniques, and service and methods demonstrations.

Improve safety and security.—TSC is the primary source of rail safety research for the Department. Support in airport surface traffic control, wind shear, crash protection and human factors comprise additional activities in the safety and security area.

Lessen unfavorable environmental impacts.—The major thrusts involve multimodal considerations of noise abatement and control, environmental pollution assessment, as well as aircraft, truck, rail, and vessel emissions modeling and measurement projects.

Minimize adverse impacts of energy constraints.—This effort is concentrated in the areas of energy policy analyses, conservation alternatives, impact assessment and network evaluation of commodity flow (including energy materials). The Center is also developing automotive energy efficiency information, analysis and performing fuel economy monitoring in support of DOT's mission.

Increase knowledge base.—This effort is concentrated in the generation, collation, standardization, and dissemination of information bases (including the National Summary of Transportation Statistics). This involves statistics, economics, and computer applications. All TSC projects contribute to this information as applicable. In addition, TSC performs research delving into fundamental knowledge impacting both urban and intercity transportation. TSC serves as one of DOT's main focal points for the sharing of planning, economic and technical data to State and local governments, and as appropriate, to private industry.

Object Classification (in thousands of dollars)

Identification code 21-05-3900-0-4-407	1975 act.	1976 est.	TQ est.	1977 est.
Personnel compensation:				
11.1 Permanent positions.....	13,556	14,421	3,660	14,583
11.3 Positions other than permanent.....	378	395	125	395
11.5 Other personnel compensation.....	57	55	15	55
Total personnel compensation.....	13,991	14,871	3,800	15,033
12.1 Personnel benefits: Civilian.....	1,208	1,280	327	1,293
21.0 Travel and transportation of persons.....	627	950	300	1,200
22.0 Transportation of things.....	46	50	15	50

23.0	Rent, communications, and utilities.....	1,205	1,275	320	1,375
24.0	Printing and reproduction.....	158	160	40	160
25.0	Other services.....	27,893	28,861	6,325	29,824
26.0	Supplies and materials.....	857	850	225	850
31.0	Equipment.....	2,210	2,300	600	2,300
32.0	Lands and structures.....	60	846	-----	-----
99.0	Total obligations.....	48,255	51,443	11,952	52,085

Personnel Summary

Total number of permanent positions.....	703	703	-----	691
Full-time equivalent of other positions.....	42	42	-----	42
Average paid employment.....	704	704	-----	692
Average GS grade.....	11.08	11.08	-----	11.08
Average GS salary.....	\$20,843	\$21,943	-----	\$22,003
Average salary of ungraded positions.....	\$12,362	\$12,362	-----	\$12,362

COAST GUARD

Federal Funds

General and special funds:

OPERATING EXPENSES*

*See "Legislative Program" (end of this chapter) for additional information.

For necessary expenses for the operation and maintenance of the Coast Guard, not otherwise provided for; purchase of not to exceed sixteen passenger motor vehicles, for replacement only; and recreation and welfare; [\$718,341,000] \$817,900,000 of which [\$187,225] \$197,422 shall be applied to Capehart Housing debt reduction: *Provided*, That the number of aircraft on hand at any one time shall not exceed one hundred and seventy-nine exclusive of planes and parts stored to meet future attrition: *Provided further*, That amounts equal to the obligated balances against the appropriations for "Operating expenses" for the two preceding years, and the period July 1, 1976, through September 30, 1976, shall be transferred to and merged with this appropriation, and such merged appropriation shall be available as one fund, except for accounting purposes of the Coast Guard, for the payment of obligations properly incurred against such prior year appropriations and against this appropriation.

For "Operating expenses" for the period July 1, 1976, through September 30, 1976, \$205,660,000 of which \$48,061 shall be applied to Capehart Housing debt reduction: *Provided*, That amounts equal to the obligated balances against the appropriations for "Operating expenses" for the two preceding years, shall be transferred to and merged with this appropriation, and such merged appropriation shall be available as one fund, except for accounting purposes of the Coast Guard, for the payment of obligations properly incurred against such prior year appropriations and against this appropriation. (Title 14, United States Code; 10 U.S.C. subtitle A; 19 U.S.C. 261, 267, 1451; 33 U.S.C.; 37 U.S.C.; 46 U.S.C.; 49 U.S.C. 1651 et seq.; 50 U.S.C. 191, 194; Department of Transportation and Related Agencies Appropriation Act, 1976, and the period ending September 30, 1976; additional authorizing legislation to be proposed for \$398,163,000.)

Program and Financing (in thousands of dollars)

Identification code 21-15-0201-0-1-406	1975 act.	1976 est.	TQ est.	1977 est.
Program by activities:				
Direct program:				
1. Search and rescue.....	206,641	228,957	66,208	254,309
2. Aids to navigation.....	136,700	147,986	42,621	162,624
3. Marine safety.....	51,483	57,763	16,577	63,749
4. Marine environmental protection.....	41,695	52,265	14,862	60,270
5. Ocean operations.....	68,739	82,133	23,790	88,782
6. Military readiness.....	24,976	27,782	7,983	30,562
7. General support.....	122,819	141,268	40,571	157,407
Total direct program costs.....	653,053	738,154	212,612	817,703
Unfunded adjustments to direct program costs:				
Property transferred in without charge.....	-1,249	-3,000	-1,000	-3,000
Total direct program costs, funded... Change in selected resources (undelivered orders and stores).....	651,804	735,154	211,612	814,703
7,597	3,000	1,000	3,000	
Total direct obligations.....	659,401	738,154	212,612	817,703
Reimbursable program:				
8. Miscellaneous services for other accounts (reimbursable program costs).....	12,364	16,000	4,000	18,500
Change in selected resources (undelivered orders).....	1,231	-----	-----	-----
Total reimbursable obligations.....	13,596	16,000	4,000	18,500
10 Total obligations.....	672,997	754,154	216,612	836,203

Financing:					
Receipts and reimbursements from:					
11	Federal funds.....	-13,145	-15,500	-3,900	-18,000
14	Non-Federal sources.....	-486	-500	-100	-500
21	Unobligated balance available, start of period.....	-----	-----	-----	-----
24	Unobligated balance available, end of period.....	-92	-128	-128	-128
25	Unobligated balance lapsing.....	128	128	128	128
		684	-----	-----	-----
	Budget authority.....	660,085	738,154	212,612	817,703

Budget authority:					
40	Appropriation.....	660,264	718,341	205,660	817,900
40.48	Portion applied to debt reduction.....	-179	-187	-48	-197
43	Appropriation (adjusted).....	660,085	718,154	205,612	817,703
44.10	Supplemental now requested for wage-board pay raises.....	-----	3,354	1,339	-----
44.20	Supplemental now requested for civilian pay raises.....	-----	1,986	670	-----
44.30	Supplemental now requested for military pay raises.....	-----	14,660	4,991	-----

Relation of obligations to outlays:					
71	Obligations incurred, net.....	659,366	738,154	212,612	817,703
72	Obligated balance, start of period.....	73,062	79,538	82,792	86,104
74	Obligated balance, end of period.....	-79,538	-82,792	-86,104	-91,907
77	Adjustments in expired accounts.....	-616	-----	-----	-----

90	Outlays, excluding pay raise supplementals.....	652,273	715,117	202,265	811,718
91.10	Outlays from wage-board pay raise supplemental.....	-----	3,218	1,354	121
91.20	Outlays from civilian pay raise supplemental.....	-----	1,905	690	61
91.30	Outlays from military pay raise supplemental.....	-----	14,660	4,991	-----

NOTES

Includes \$10,500 thousand in 1977 for activities previously financed from Health Services Administration. Comparable amounts for 1975, \$8,800 thousand; 1976, \$8,800 thousand; and TQ, \$2,200 thousand.
Excludes \$1,793 thousand in 1977 for icebreaker activities support transferred to Department of Defense. Comparable amounts for 1975, \$708 thousand; 1976, \$650 thousand; and TQ, \$663 thousand are included above.
Excludes \$789 thousand in 1977 for icebreaker activities support transferred to National Science Foundation. Comparable amounts for 1975, \$1,028 thousand; 1976, \$885 thousand; and TQ, \$0 are included above.

The Coast Guard employs multipurpose vessels, aircraft, and shore units, strategically located along the coasts and inland waterways of the United States and in selected areas overseas to carry out the duties specified in title 14, United States Code.

1. *Search and rescue.*—Most Coast Guard operating facilities have the capacity for promoting safety on or over the high seas and on waters subject to the jurisdiction of the United States. The Coast Guard performs any and all acts necessary to rescue and aid persons and save property placed in jeopardy due to marine and aircraft accidents, floods, and ice conditions.

WORKLOAD DATA

Responses to search and rescue cases serviced by Coast Guard forces or Coast Guard-directed forces.....	1974 act.	1975 act.	1976 est.	TQ est.	1977 est.
	67,694	71,750	76,100	27,600	80,700

2. *Aids to navigation.*—A network of manned and unmanned aids to navigation is maintained along our coasts and on our inland waterways to insure the safe passage of the mariner. Loran stations are operated in the United States and abroad to serve the needs of the armed services and marine and air commerce. Administrative control is exercised over the construction, maintenance, and operation of bridges across the navigable waters of the United States to insure that the safe passage of navigation is not unreasonably interfered with.

WORKLOAD DATA

	1974 act.	1975 act.	1976 est.	TQ est.	1977 est.
Loran-A coverage (in millions of square miles): Ground wave.....	4.4	4.4	4.2	4.2	4.2
Loran-C coverage (in millions of square miles): Ground wave.....	16.0	16.0	14.9	14.9	16.5
Federal floating aids.....	25,310	26,218	26,000	26,000	25,500
Federal fixed aids and short-range electronic aids (radio beacons).....	20,905	21,394	22,000	22,000	22,500
Private aids authorized.....	31,543	32,957	33,000	30,000	31,000
Bridge permits and regulations processed.....	-----	433	450	112	450

General and special funds—Continued

OPERATING EXPENSES—Continued

3. *Marine safety.*—The Coast Guard insures compliance with Federal statutes and regulations pertaining to the merchant marine industry by reviewing plans and specifications for the construction or alteration of merchant vessels; by periodic inspections; by licensing and by setting standards, procedures, and practices under which merchant marine personnel are licensed and regulated. The accompanying legislative proposal provides for a reduction in this program to eliminate Federal documentation of pleasure craft, modernize Seaman documentation procedures, modernize vessel documentation, and simplify tonnage measurement.

WORKLOAD DATA

	1974 act.	1975 act.	1976 est.	TQ est.	1977 est.
Commercial vessel safety:					
Licenses and documents issued.....	66,204	59,213	60,000	15,000	62,000
Seamen discharged.....	360,718	328,940	70,000	92,500	370,000
Vessels under certification.....	8,638	10,395	10,500	2,625	10,800
Vessel documents issued.....	31,068	30,001	33,000	8,250	36,000
Total investigations.....	14,344	14,603	16,000	4,000	15,000
Marine casualties investigated.....	4,973	6,869	6,000	1,500	6,000
Vessel plan approvals.....	35,820	45,339	37,000	9,250	47,000
Vessels admeasured.....	9,340	9,337	9,500	2,375	9,500
Container certifications.....	12,000	10,000	15,000	3,750	20,000
Hearings before administrative law judges.....	798	666	700	175	750
Boating safety:					
Factory visits/inspections.....	2,350	2,050	2,300	600	2,450
Defect campaigns.....	61	97	150	40	150
Potential units affected.....	95,409	103,668	150,000	40,000	150,000
Classroom instruction:					
Student lessons (in millions).....	1.023	1.250	1.236	.315	1.400
Courtesy motorboat examinations (auxiliary).....	232,193	277,193	327,000	150,000	365,000
Assists (auxiliary).....	12,603	12,859	16,318	8,640	20,000
Boat boardings.....	26,662	28,669	31,000	16,600	33,000

4. *Marine environmental protection.*—Under the Federal Water Pollution Control Act, as amended, the National Environmental Policy Act, the Ports and Waterways Safety Act, Deepwater Port Act of 1974, and other laws, international agreements and conventions; the Coast Guard is charged with the prevention of damage to the marine environment from intentional and unintentional acts and for the enhancement of environmental quality. Under the Ports and Waterways Safety Act, title 14 of the United States Code, the Dangerous Cargo Act, the Tank Vessel Act, Executive Order 10173, as amended, and various other statutes; the Coast Guard must safeguard and secure U.S. ports and waterways against environmental harm, accidental or intentional loss, damage, or injury, and by doing so, to improve the economic utilization of ports and waterways while assuring their availability in time of national emergency.

WORKLOAD DATA

	1974 act.	1975 act.	1976 est.	TQ est.	1977 est.
Port safety:					
Cargo vessels boarded.....	30,324	35,586	35,265	8,816	37,028
Tank vessels boarded.....	7,617	6,707	7,042	1,760	7,394
Barges boarded.....	11,216	12,323	12,939	3,234	13,585
Waterfront facilities inspected.....	134,895	138,081	144,985	36,246	152,234
Number of explosive loadings and other dangerous cargo inspections.....	1,307	1,584	1,663	415	1,746
Harbor patrols (operating hours).....	75,436	70,013	73,513	18,378	77,188
Environmental protection:					
Pollution patrols conducted.....	3,400	4,600	4,800	1,250	5,000
Number of spills reported.....	13,900	14,500	15,000	3,800	15,500
Deepwater port license applications.....			2	2	2

5. *Ocean operations.*—Offshore law enforcement is accomplished by both cutters and aircraft conducting fisheries patrols and general law enforcement patrols to enforce international agreements and federal laws on the high seas and waters over which the U.S. exercises jurisdiction. Ice operations (polar and domestic) are performed by specially constructed icebreakers operating in support of Coast Guard programs, the requirement of other agencies, and

in the facilitation of commerce. Marine science activities are carried out in support of other Coast Guard programs and on a cooperative basis with other Government agencies. The International Ice Patrol is carried out within this program.

WORKLOAD DATA

	1974 act.	1975 act.	1976 est.	TQ est.	1977 est.
Polar operations and oceanographic activities:					
Deliveries by icebreaker or escorted cargo ships.....	24,852	25,460	28,000	-----	28,000
Measurement tons of cargo.....	1,394	1,186	1,500	-----	1,500
Icebreaker operating hours.....	5,808	7,055	8,000	-----	8,000
Offshore law enforcement:					
Foreign fishing vessel sightings.....	6,865	6,639	6,700	1,600	6,600
Cutter operating hours.....	45,807	56,296	57,000	15,000	60,000
Aircraft flight hours.....	5,620	6,914	7,000	2,000	8,000
Boardings.....	577	666	780	200	850
International Ice Patrol:					
Aircraft hours.....	458.8	484.9	500	-----	500
Ship operating hours.....	1,584	2,235	2,000	-----	2,000
Marine Science activities:					
Oceanographic observations.....	823	1,216	850	213	850
Upper air observations.....	3,623	47	50	15	50
Track miles of aircraft survey (airborne radiation thermometer).....	78,600	62,800	106,000	26,650	134,000
Environmental buoys serviced.....	26	29	24	6	20

6. *Military readiness.*—The Coast Guard operates as a service in the Navy in times of war or national emergency at the direction of the President. During peacetime, an effective state of military preparedness is maintained through individual and unit training, by joint naval training exercises, or by Coast Guard single and multiship operations.

WORKLOAD DATA

	1974 act.	1975 act.	1976 est.	TQ est.	1977 est.
Gunnery readiness exercises:					
Number of individual exercises conducted.....	556	510	600	150	732
Refresher training at naval fleet training group: Number of Coast Guard units participating.....	43	37	49	12	49
Navy fleet exercises: Number of Coast Guard units participating.....	13	18	12	3	12
Shipboard training activities.....	300	117	120	30	120
Multi- and single-unit training exercises.....	6,956	7,604	7,600	1,900	7,600
Individual small arms training.....	18,074	18,308	17,500	4,400	10,000

7. *General support.*—Certain facilities of the Coast Guard provide overall direction and support to all Coast Guard programs. Included are training stations, supply facilities, and nonoperational services at headquarters and district offices.

Capehart family housing indebtedness.—The following information schedule shows the status of the indebtedness assumed from Department of Defense for transfer of family housing units for assignment as public quarters. The analysis of the indebtedness is as follows (in thousands of dollars):

	1975 act.	1976 est.	TQ est.	1977 est.
Total debt incurred.....	3,556	3,556	3,556	3,556
Debt retirement:				
(a) Prior years.....	-1,100	-1,279	-1,466	-1,515
(b) Current year.....	-179	-187	-48	-197
Cumulative total.....	-1,279	-1,466	-1,515	-1,712
Remaining debt, end of year.....	2,277	2,090	2,042	1,844

Object Classification (in thousands of dollars)

Identification code 21-15-0201-0-1-406	1975 act.	1976 est.	TQ est.	1977 est.
Direct obligations:				
Personnel compensation:				
11.1 Permanent positions.....	62,560	74,642	19,522	79,478
11.3 Positions other than permanent.....	1,954	2,173	551	2,306
11.5 Other civilian personnel compensation.....	712	797	202	876
11.7 Military personnel.....	268,602	291,167	74,666	296,298
Total personnel compensation.....	333,828	368,779	94,941	378,958
Personnel benefits:				
12.1 Civilian.....	6,586	7,325	1,955	8,040
12.2 Military personnel.....	73,756	82,620	21,137	85,597
21.0 Travel and transportation of persons.....	19,123	22,522	7,632	29,214
22.0 Transportation of things.....	15,787	18,554	6,290	24,074
23.0 Rent, communications, and utilities.....	37,056	33,951	11,502	41,926
24.0 Printing and reproduction.....	2,886	2,906	983	3,766
25.0 Other services.....	59,985	74,049	24,970	90,690
26.0 Supplies and materials.....	86,506	100,343	34,019	120,287
31.0 Equipment.....	13,707	21,740	7,368	28,201
32.0 Lands and structures.....	3,043	4,219	1,428	5,465

